NEW BOOKS.

Differential and Integral Calculus. By LORRAIN S. HULBURT. New York: Longmans, Green, and Company. Pp. 481.

This book is intended for use in colleges and technical schools and is rather carefully written. It contains many excellent features which will appeal to the teacher and is one of the best books for the purpose that has come to our attention. It would seem, however, that too many writers on the calculus have aimed to meet the requirements of these two classes of students and in so doing have not entirely satisfied the desires of either. The teacher of the arts students will want to omit a good deal that the engineering students will want and *vice versa*. While the theory of the calculus is the same for all we believe it would be more satisfactory under present conditions to have a separate book for each class of students.

Elements of Trigonometry with Tables. By DANIEL A. MURRAY. New York: Longmans, Green, and Company. Pp. 231. $1.00 net.

In some respects this book is an abridgment of the author's "Elements of Trigonometry" with some rearrangement of chapters. For most teachers we believe it will be found an improvement on the earlier book, though the increased use of the unit circle and line functions is not desirable. Some teachers, however, may desire this increased use of line functions and for them it will be an improvement. It would appear to be a very teachable book for those who desire to begin with a treatment of acute angles.

Elements of Applied Mathematics. By HERBERT E. COBB. Boston: Ginn & Company. Pp. 274. $1.00.

This book is constructed on the principle that arithmetic, algebra, and geometry are closely linked together. The work outlined consists largely of lists of problems based on the student's preceding work in mathematics, illustrating the work in the shops and laboratories, and of simple experiments and exercises in the mathematics classroom, where the pupil, by measuring and weighing, secures his own data for numerical computations and geometrical constructions.

The College Engineering Notebook. By ROBERT E. MORITZ. Boston: Ginn & Company. $1.00.

This notebook is designed for the use of students in civil, mechanical, and electrical engineering. It contains ninety sheets of high-grade rectangular-co-ordinate paper, five sheets of polar-co-ordinate paper, and five sheets of logarithmic-co-ordinate paper. The reverse side of each sheet is ruled horizontally with vertical crosslines at intervals of two and one half centimeters. This arrangement adapts each sheet